

# Mark 3

Scott Laborie - December 2019

## Facet Data

Pavilion facets	36	Pavilion tiers	8
Girdle facets	6	Girdle tiers	2
Crown facets	31	Crown tiers	10
<b>Total facets</b>	<b>73</b>	<b>Total tiers</b>	<b>20</b>

## Size Data

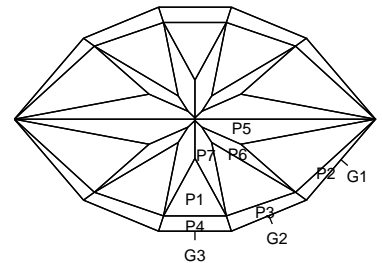
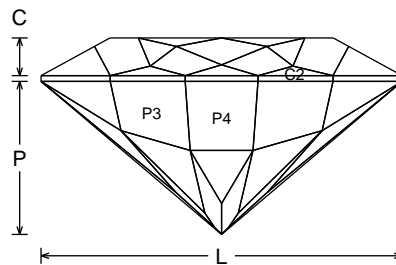
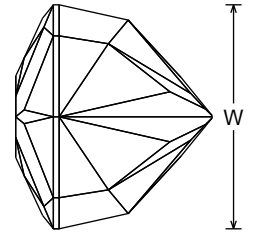
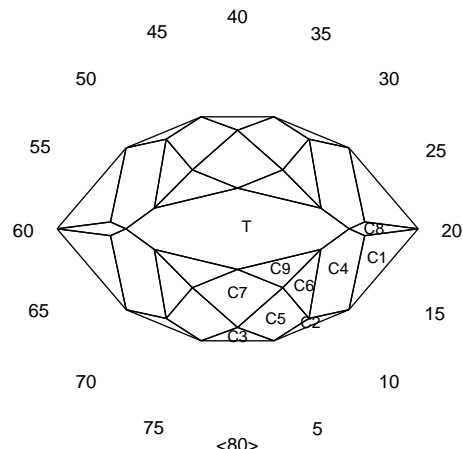
L/W	1.612	P/W	0.683
H/W	0.877	C/W	0.168
V/W^3	0.501	P/C	4.062

## Design Data

R.I. range	1.72 - 2.25
Size range	6 - 25 mm
Index gear	80
Shape	Marquise

## Comments

Really happy with the light return pattern! Should work well with any RI higher than 1.72!



## Pavilion

P1	42.64	80-08-16-24-32-40-48-56-64-72	Create CP
G1	90.00	11-29-51-69	Set Size
G2	90.00	05-35-45-75	Meet P1
G3	90.00	80-40	Meet P1
P2	74.82	11-29-51-69	Meet P1 and Level Girdle
P3	76.93	05-35-45-75	Level it
P4	77.52	80-40	Level it
P5	40.64	18-22-58-62	Meet Girdle
P6	40.35	12-28-52-68	Meet P2 & P3
P7	39.94	03-37-43-77	Meet P3 & P4

## Crown

C1	38.96	11-29-51-69	Set Girdle Thickness
C2	52.55	05-35-45-75	Level it
C3	38.96	80-40	Level it
C4	29.98	08-32-48-72	Meet Girdle
C5	29.77	02-38-42-78	Meet Girdle
C6	26.66	6.0-34-46.0-74	Meet C2
C7	24.86	80-40	Meet C3
C8	28.69	20-60	Meet Girdle
C9	16.64	03-37-43-77	Meet C5
T	0.00	37	Meet C6 & C8